

Double Clad FBG

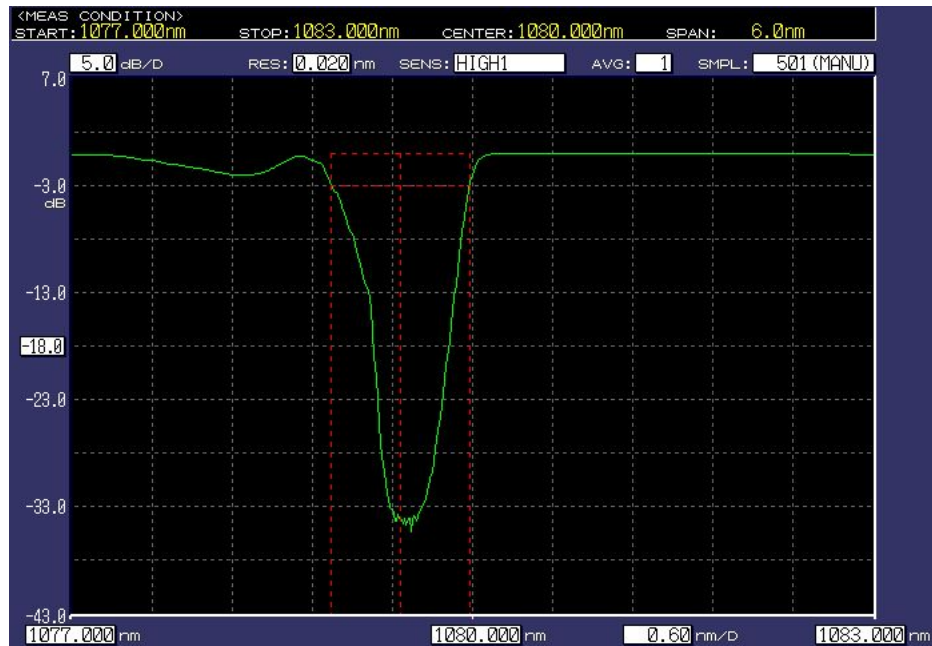
Description

Fiber laser is an emerging technology for industrial material processing including laser cutting, laser marking, laser welding and laser drilling. Fiber Bragg Grating is critical component inside fiber laser which is used to form lasing cavity.

Technica offer flexibility to produce high reflectors and output couplers on different kind of fibers including single mode fiber, PM fiber, large diameter fiber and double-clad fiber.



(Reflection spectrum)



(Transmission spectrum)

Feature

- Hi- Specially designed for fiber laser
- Suitable for high power
- Ultra-precise matching
- Wide variety of double clad fiber type
- Wide bandwidth and reflectivity range
- High reliability

Application

- Fiber laser
- Pump lockers
- Fiber sensor

Specification

Parameter	Unit	Specification	Tolerance
Center Wavelength	nm	1050-1090;1460-1620	±0.25
Reflectivity	%	0.5%-99.9%	±3
Bandwidth (FWHM)	nm	0.01-50	±0.01
SMSR	dB	>15	—
Recoating		Low Refractive Index Material or Custom	
Proof test		>100Kpsi	
Optical Connector		FC/APC, FC/UPC	Custom
Fiber Type		Corning HI980/PM980 or equivalent, Corning HI1060 or equivalent. Corning SMF 28 / Panda PM Coractive/Lekki/Nufern double cladding fiber	

Ordering Information :

DCFBG- 1550.1 - 99.5 - 2.0 - A

① ② ③ ④

① : Center Wavelength

② : Reflectivity

③ : Bandwidth (FWHM)

④ : Optical Connector: A: FC/APC, B: FC/UPC, C: Custom, N: None